

HRS COVER SHEET



FACILITY NAME:	Brooklyn Union Gas- Williamsburg Wo	rks
EPA I.D. #:	NYD 980532030	
ORIGINAL PRIORITY	Z: Low	
REVIEWED BY:	Amy Brochu	
REASSESSED PRIORI	TY: NFRAP	
REVIEWED BY:	Carol DiGuardia	
COMMENTS:		
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And the second s		
PREPARER:	arol A. Di Herardia	DATE: 8/26/88

B. U.G = williamsburg

HRS	S	s².		
Groundwater Route Score (Sgw)	0.80	0.64		
Surface Water Route Score (Saw)	1.95	3.80		
Air Route Score (Sa)	0	0		
$s_{gw}^2 + s_{sw}^2 + s_a^2$		4.44		
$\sqrt{s_{qw}^2 + s_{sw}^2 + s_a^2}$		2.11		
$\sqrt{s_{gw}^2 + s_{sw}^2 + s_a^2} / 1.73 = s_M =$		1.22		

WORKSHEET FOR COMPUTING SM

PRO	S	s ²		
Groundwater Route Score (Sgw)	4.84	Z3.43		
Surface Water Route Score (S _{SW})	8.62	74.30		
Air Route Score (Sa)	0	0		
s _{gw} + s _{sw} + s _a ²		97.73		
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		9.89		
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_{a}^2} / 1.73 - S_{M} =$		5.72		

WORKSHEET FOR COMPUTING SM

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Ground Water Route Work Sheet												
	Rating Factor		Assigne (Circle		- 1	Multi- plier	HRS	Max. Score	PRO			
1	Observed Release)	(3)	45		1	0	45	0			
	if observed releas	_										
2	Route Characteris Depth to Aquifer		<u>(1)</u> 1 2	A		2	0	6	6			
	Concern Net Precipitation Permeability of t	he	0 1 2 0 1 <u>/</u> 2	(3)		1	3 2	3 3	3 2			
	Unsaturated Zo Physical State	ne	0 1 2			1	3	3	3			
			Total Route Cha	uracteristics Sco	ore		જ	15	14			
3	Containment	-	0 ① 2	办		1	l	3	3			
4	Waste Characteris Toxicity/Persist Hazardous Wast Quantity	ence	0 3 6 0 1 2	9 12 15 (B) 3 (A) 5 8	7 8	1	18 1	18 8	18			
	 ,-		Total Waste Ch	aracteristics Sc	ore.		19	26	22			
5	Targets Ground Water U Distance to Nea Well/Populatio Served	rest	0 A 12 16 1 24 30 3	2 3 6 8 10 8 20 12 35 40		3	3	9 40	3			
E)				rgets Score		-	3	49	3			
<u></u>	=		1 x 4 x (2 x 3 x 4				456	57.330	2772			
7	Divide line 6 t	by 57.330	and multiply by	100		s _{gw} -	0.8	0	4.84			

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Surface Water Route Work Sheet										
	Rating Factor		Assigne (Circle		Multi- plier	HRS	Max. Score	PRO		
-	Observed Release		۵	45	1	0	45	0		
	if observed release	_								
2	Route Characterist Facility Slope and Terrain		√ 0 1 2	3	1	0	3	0		
	1-yr. 24-hr. Rainf: Distance to Near Water		0 1 2	. 3 . 3	1 2	26	3 6	26		
	Physical State		0 1 2	(3)	1	3	3	3		
		Tot	al Route Cha	racteristics Score		ιι	15	11		
3	Containment		0 1 2	A	1	t	3	3		
4	Waste Characterist Toxicity/Persiste Hazardous Waste Quantity	ence	0 3 6 0 ① 2	9 12 15 (13) 12 4 5 6 7 8	1	(୫ (18 8	18		
		Tot	tal Waste Chi	aracteristics Score		19	26	21		
5	Targets Surface Water U Distance to a Se Environment Population Serve to Water Intake Downstream	insitive	0 1 0 A 12 16 24 30	3 3 2 3 40 32 35 40	3 2 1	600	9 6 40	6 2 0		
	•		Total Ta	rgets Score		6	55	8		
5		multiply 1 nultiply 2		5) x 5		1254	64.350	5544		
7	Divide line 6 b	y 64,350 and	multiply by	100	Ssw	- 1.9	5	8.62		

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			<u> </u>	Alf	Ro	ute	Wo	* S	hee	ì							
	Rating Factor		Assigned Value Multi- (Circle One) Multi- plier Score Max. Ref. Score (Sect														
0	Observed Release			,				5				1	0	4	5	5.1	
	Date and Location	:															
	Sampling Protocol	:			,								و المساود				
	If line 1 is 0, to the time 1 is 45,)										
2	Waste Characterist Reactivity and	tics		, d	1 2	3						1	- <u>-</u>		3	5.2	
	Incompatibility Toxicity			, c	1 2	3						3		,			
	Hazardous Waste Quantity			•	1 2	3	4	5	6	7	8	1		i	8		
			Total W	aste	Ch	nara:	cter	istic	s &	core					0		
3	Targets	· .						-			,					5.3	
	Population Within 4-Mile Radius		}.	0 1	D 12 4 27	15	18					1		3	0		
	Distance to Sensi	tive			1 2							2			6		
	Environment Land Use		4	D 1	1 2	3						1			3		
			•	ota	d Ta	nge:	ts S	con)			-] :	19		
4	Multiply 1 x 2	× [3]											35.	100		
<u>5</u>]	Divide line 4 by	35,100	and mul	tiply	, by	100)					8,-	0				

FIGURE 9
AIR ROUTE WORK SHEET